

SIMATIC WinCC Unified Transition course

OEM: Siemens • Code: TIA-UWCCTR

COURSE DESCRIPTION

SIMATIC WinCC Unified is the visualization system in the TIA Portal. The system convinces with the use of native web technologies and the high degree of openness through powerful interfaces. This means that it is necessary to switch to a new project planning. To make this step easier, this course will teach you the best way to do it. You know which preparations are useful in the original project, which additions are useful in the target project and which tools support you in the migration process.

AUDIENCE PROFILE

- You have many years of experience in dealing with HMI projects in the SIMATIC WinCC TIA Portal Basic, Comfort, Advanced (in the machine-related area) and would like to switch to SIMATIC WinCC Unified or modernize your existing project.
- Commissioning installer
- Project Planner
- Maintenance Technician

PREREQUISITES

- Many years of experience in using WinCC in the TIA Portal Basic, Comfort, Advanced (in the machine-related area)
- Technical requirement
- Knowledge of "picture window technology" and WinCC Unified Alarmcontrol is an advantage
- Course: WinCC Unified - Creating Images: Image Editor, Image Objects and Terms (V21)
- Activity: The Image Editor
- Course: WinCC Unified - Creating Images: System Functions, Navigation, Dynamization (V21)
- Act: Simple Image Navigation with an Image Window
- If you have little or no experience with WinCC in the TIA Portal, Siemens recommends the system course: SIMATIC WinCC Unified 1 (TIA-UWCC1)
- Pros: Training with the new HMI system WinCC Unified directly from the manufacturer
- Pros: Skill is more than knowledge — through many practical exercises, you can start switching your project to WinCC Unified after the course
- Included in the course price: Free access to the digital learning platform SITRAIN access – starting one week before the start of the course until two weeks after the end of the course. With the Learning Membership, you can deepen or repeat the content of this Learning Event as well as continue your education on other interesting topics.

By the end of this course, participants will be able to:

- Background information and range of functions: Basic/Comfort Panels vs. Unified Panels
- Modernization process with TIA Portal Add-in "Data2Unified" and practical approach to the existing project
- Modernization process with manual adjustments directly in the project
- Online tool "WinCC Unified Modernization Checker" – function and use with a PDF printout from the WinCC TIA Portal project of the Comfort Panel
- High-performance and future-proof project planning in SIMATIC WinCC Unified based on the engineering guideline for WinCC Unified with practical exercises (SmartAdvisor)
- Introduction to JavaScript programming for WinCC Unified
- Deepening of JavaScript knowledge (ScriptDebugging/TraceViewer)

Module 1: Content

- Product version: WinCC V21
- Advantages and motivation for switching to SIMATIC WinCC Unified
- Background information and range of functions: Basic/Comfort Panels vs. Unified Panels
- Modernization process with the TIA Portal add-in "Data2Unified"
- Modernization process with manual adjustments
- Online tool "WinCC Unified Modernization Checker" – function and use
- High-performance project planning based on the engineering guideline for WinCC Unified
- Introduction to JavaScript
- Advanced JavaScript (ScriptDebugging/TraceViewer)